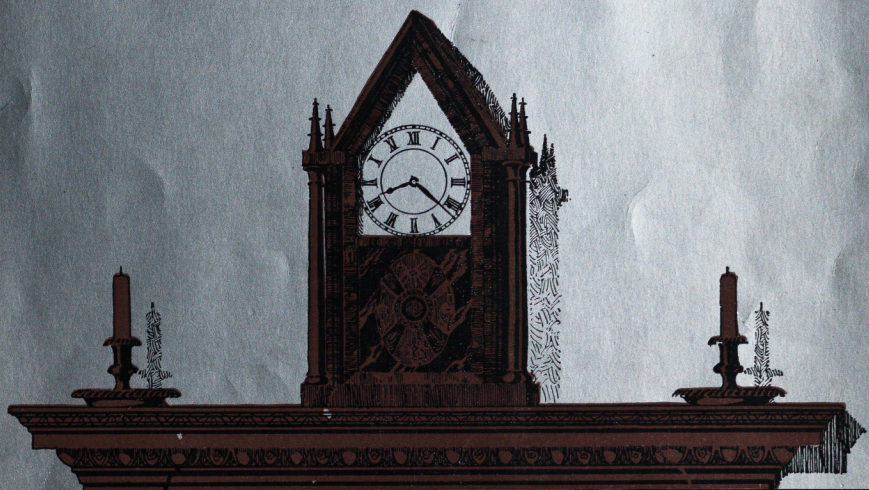


INGRAHAM

Established 1824



· CLOCKS & WATCHES 1934-5 ·

INGRAHAM

ESTABLISHED 1824

CLOCKS and WATCHES



1934 - 1935

THE E. INGRAHAM COMPANY

Bristol, Connecticut, U. S. A.

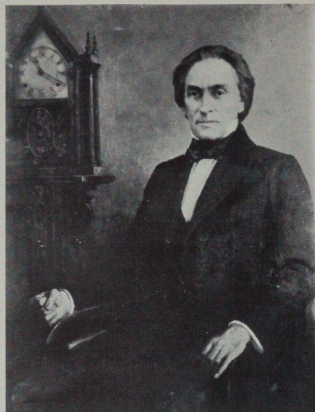
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PACKING AND SHIPPING WEIGHTS

PAGE	TYPE OF WATCH OR CLOCK	PACKING	WEIGHT
		No Merchandise shipped in less than Case Lots	
6	Wrist Watches	12 in a carton Minimum Quantity 36 Pieces	One Gross in a Carton—Twenty-six Pounds Shipped Express or Parcel Post Only
6	Pocket Watches	12 in a carton Minimum Quantity 36 Pieces	Three Dozen in a Carton—Seven Pounds One Gross in a Carton—Twenty-three Pounds Two Gross in Wooden Box—Fifty-nine Lbs. 504 in a Wooden Box—Eighty-six Pounds
6			
6			
6			
7	Square	48 Clocks in a Carton	Fifty-six Pounds
7	Ace, Pal	48 Clocks in a Carton	Fifty-two Pounds
7	Mystic	24 Clocks in a Carton	Forty-three Pounds
7	Trojan	24 Clocks in a Carton	Fifty-nine Pounds
7	Liberator	24 Clocks in a Carton	Fifty-four Pounds
8	Comet	48 Clocks in a Carton	Forty-seven Pounds
8	Vim	48 Clocks in a Carton	Forty-nine Pounds
8	Gable	24 Clocks in a Carton	Forty-three Pounds
8	Automatic	24 Clocks in a Carton	Fifty-six Pounds
9	Bates	6 Clocks in a Carton	Sixteen Pounds
9	Pitt	6 Clocks in a Carton	Thirty-one Pounds
9	Penn	6 Clocks in a Carton	Twenty-two Pounds
10	Kitchenette	6 Clocks in a Wooden Box	Fifty-two Pounds
10	Lake Line	6 Clocks in a Wooden Box	Ninety Pounds
10	Cornell, Dover, Calais	1 Clock in a Carton	Seven Pounds
11	Hermes, Hera, Hathor	1 Clock in a Carton	Nine Pounds
12	Aurora No. 1-2-3	1 Clock in a Carton	Nine Pounds
13	Art No.1-2-3	1 Clock in a Carton	Nine Pounds
14	Master	6 Clocks in a Carton	Twenty-three Pounds
14	Mars	12 Clocks in a Carton	Thirty Pounds
14	Natal	6 Clocks in a Carton	Thirty Pounds
14	Yankee Clipper	1 Clock in a Carton	Thirteen Pounds
14	Treasure	1 Clock in a Carton	Twenty-three Pounds
15	Bedford	1 Clock in a Carton	Nineteen Pounds
15	Bristol	1 Clock in a Carton	Twenty Pounds
15	Bison	1 Clock in a Carton	Thirty Pounds
15	Western Union	1 Clock in a Carton	Twenty-nine Pounds
16	SA1	6 Clocks in a Carton	Twenty-two Pounds
16	SA2	6 Clocks in a Carton	Twenty-four Pounds
16	SA3	6 Clocks in a Carton	Twenty-five Pounds
16	SA219	6 Clocks in a Carton	Twenty Pounds
17	SC140	1 Clock in a Carton	Six Pounds
17	SK131	6 Clocks in a Carton	Twenty Pounds
17	SC143	1 Clock in a Carton	Seven Pounds
18	SD243	6 Clocks in a Carton	Twenty-five Pounds
18	ST184	1 Clock in a Carton	Five Pounds
18	SC203	1 Clock in a Carton	Seven Pounds
18	SH158	1 Clock in a Carton	Eleven Pounds
18	SH153	1 Clock in a Carton	Sixteen Pounds
19	SSC1	1 Clock in a Carton	Six Pounds
19	SSC2	1 Clock in a Carton	Six Pounds
19	SSC3	1 Clock in a Carton	Six Pounds
19	SST4	1 Clock in a Carton	Six Pounds
20	MA1	24 Clocks in a Carton	Sixty Pounds
20	MA3	48 Clocks in a Carton	Sixty-five Pounds (Approximately)
20	MA4	12 Clocks in a Carton	Thirty Pounds (Approximately)
20	MK1	12 Clocks in a Carton	Thirty Pounds

Clocks or watches will not be imprinted in less than 1000 lots to be taken in one shipment, and in the case of imprints or merchandise special in any respect, The E. Ingraham Co. reserves the right to overrun or under-run the order by ten per cent. Furthermore, special merchandise once in process of manufacture will not be subject to cancellation except upon payment of such costs as may have been incurred.



ELIAS INGRAHAM
FOUNDER AND PRESIDENT 1824-1885



PLANT ABOUT 1875

OVER A CENTURY OF PROGRESS IN THE MANUFACTURE OF DEPENDABLE TIMEPIECES

ELIAS INGRAHAM, the founder of The E. Ingraham Company, came to Bristol in 1824 to work as a cabinet maker, originally obtaining employment with George Mitchell and later with Lawson and Chauncey Ives. He apparently had an unusual flair for design and produced a number of original and handsome clock cases.

In 1835 he purchased a shop, with water privileges, and sometime during this period, associated with his brother Andrew, and Elisha C. Brewster, and formed the partnership of Brewster & Ingrahams. Many of the clocks which they produced are still in use as timepieces and are highly prized as antiques. They confined their production largely to the old-fashioned, rectangular-shaped shelf clocks with ogee mouldings and looking-glasses or pictures in the lower half of the door frame, to the gilt Gallery clocks such as were used in the early Churches, to the Doric clocks, and to the Sharp Gothic clocks.

Elias Ingraham originated the four-pillared Sharp Gothic clock which in its day was the biggest seller among American clocks and was extensively copied by all early makers. The original model was cut from a block of mahogany when Elias was on a trip to Caracas, Venezuela.

About 1854 the firm name was changed to E. & A. Ingraham, but in 1855 the entire plant was

destroyed by fire, entailing a loss of about twenty thousand dollars. Apparently their business was carried on in a small way, for a time, in Ansonia, Conn., and it is believed that they ceased manufacturing during the panic of 1857. However, in 1859 they were again manufacturing in Bristol, and from that time on there is a continuous record of their production and sales in the hands of the Company.

About 1859 Elias's son became a partner in the business and was continued as a partner until 1880, when a joint stock company was formed under the name of The E. Ingraham & Company, which in 1884 was changed to The E. Ingraham Company.

Clock-making started in the town of Bristol about 1790, the earlier manufacturing being confined largely to wooden movements. About 1830 Bristol was the center of the American clock business, and as late as 1860 there were in excess of seventy individuals, concerns, and partnerships engaged in Bristol in the production of clocks,—The E. Ingraham Company being the sole survivor of the many early Bristol producers. It is also interesting to note that The E. Ingraham Company is the only early American clock concern operated by the Founder's descendants, being carried on to-day by the great-grandchildren of Elias Ingraham.

In the early days, manufacturing was conducted on an entirely different scale and methods than at present. Of interest is a contract entered into in 1848 by Brewster & Ingrahams and Anson Atwood, who for many years was employed as a Superintendent, from which we quote in part:—

"The said Atwood further agrees to keep good order in the establishment, and allow no gambling, nor wrestling, or scuffling, nor profane language, have regular hours for business and not allow the factory to be opened on the Sabbath, except in the morning before Church, and this only for the purpose of washing, shaving and preparing for church. He and his hands shall be regular attendants at the Church on the Sabbath. He is also to pay particular attention to the fires in his apartments, and see that all is safe before leaving in the morning, at noon, and in the evening."

It is quite apparent that no contract with a clause similar to the above would be accepted today.

The E. Ingraham Company has always been abreast of the times and has constantly expanded its lines to meet trade requirements, being responsible for many innovations and improvements in the horological art.

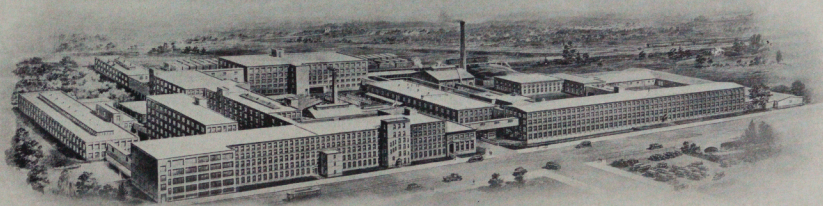
In 1890 the firm began the manufacture of standard alarm clocks, in 1913 the manufacture of low-priced watches, in 1915 of eight-day alarm clocks, in 1930 of wrist watches, in 1931 of self-starting electric clocks, and in 1932 of manual-starting electric clocks.

Probably no concern has done more in originating and refining designs, either in wood-case clocks, in alarm clocks, or in watches, and certainly no clock concern has contributed more to the public in the

way of mechanical improvements. In this latter field particularly, its contributions have been numerous and important, though many of a technical and scientific nature aimed at improvements in quality and in timekeeping. However, certain of the improvements originated by this company have constituted valuable conveniences to the public,—such as, for example, the enclosed bell in alarm clocks, the stem shut-off for readily turning off the alarm, the unbreakable crystal for watches, the bringing of the tonneau-shaped movement into the non-jewelled wrist watch field, and the development and presentation to the public of low-priced wrist watches and electric striking clocks, etc. A mere review of the patents on page 22 of this catalogue will indicate that this concern is constantly in the fore in its developments in the timepiece art.

The Company is fortunate in operating in a plant, all buildings of which are of modern brick or concrete construction, scientifically heated, ventilated, and lighted, and thus furnishing ideal working conditions. The Company has never hesitated to spend money for the finest of modern equipment, and its plant is equipped with the most up-to-date machinery obtainable. A large force is engaged in keeping the machinery and tools in such perfect repair that many machines are operating better and more accurately today than when purchased. It has also been the policy of the Company to employ only highly skilled American labor at wages considerably above the average for the industry, and the Company takes reasonable pride in the fact that practically its entire organization was maintained throughout the depression and at 1929 wages.

The business has grown constantly and even during the recent depression has shown continual progress which the Company expects to continue in the future.



PRESENT PLANT OF THE E. INGRAHAM COMPANY

WATCHES

The sturdiness, dependability, and fine timekeeping qualities of Ingraham watches are too well known to require comment. All are mounted in dust-proof cases with unbreakable crystals and are attractively styled and boxed. All have easy anti-tight winding devices and pull-out stem sets. Our exceptional quality is maintained by using the finest materials obtainable and fabricating them under ideal working conditions, with unsurpassed equipment, and with highly skilled American labor. The minimum packing is 12 of one number to a carton, 36 to a shipping carton.



No. 5

Plain Chromium plated case. Etched silver plated dial. Tapered leather strap.

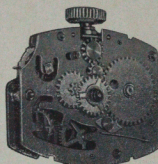


No. 6

Embossed Chromium plated case. Etched silver plated dial. Chromium plated bracelet.



Chromium plated solid nickel silver back, curved and beveled to fit the wrist.



Superior tonneau-shaped movement. Built with accurate subdied wheels and plates, polished pivots, exceptionally heavy main spring and double roller escapement,—all contributing to giving pocket watch accuracy and reliability.



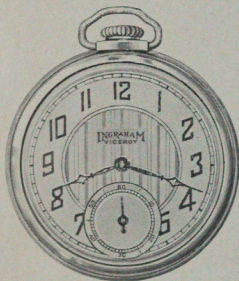
No. 9

Embossed Chromium plated case. Etched rectangular dial. Chromium plated bracelet.



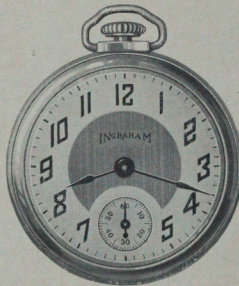
No. 8

Chromium plated case. Etched rectangular dial. Black satin finish leather strap. Readable spade hands.



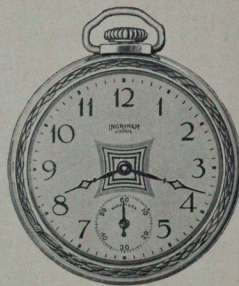
VICEROY

Thin model—dust-proof case, metal dial—black Arabic numerals.



INGRAHAM

Thin model—nickel plated case. Raised gold numerals—silver plated dial. Pull-out stem set.



VOGUE

Beautifully embossed case. Etched metal dial, unbreakable crystal.

ONE-DAY ALARM CLOCKS

All Fitted with Famous Stem Shut-off—New Type of Cases
New Methods of Assembly



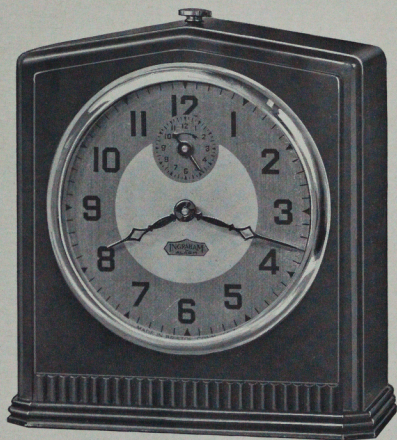
ACE or PAL *85-4*

A thin model pedestal clock with integral back and case. Height $4\frac{3}{4}$ ". Clear tone inside bell, stem shut-off. Convex glass. Packed 48 in a carton, 12 each Nickel, Rose, Green and Blue. "PAL"—Same clock as Ace but finished in Black only with Nickel trim. Packed 48 in a carton.



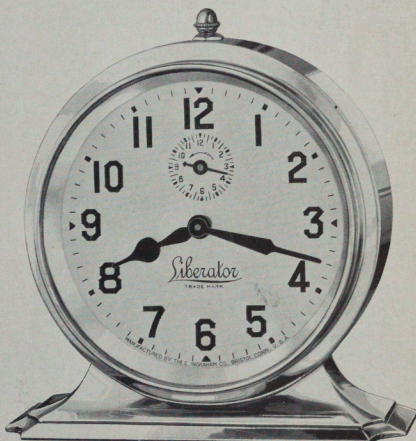
SQUARE ALARM *85-4*

Height $4\frac{3}{4}$ ", Width 4". Seamless drawn case, nickel bezel, convex square glass. Inside bell, stem shut-off. Handsome legible square dial. Packed 48 in a carton, 12 each Black, Rose, Green and Blue, or 48 solid colors in a carton.



MYSTIC *1110*

Large die cast metal case. Height $6\frac{1}{4}$ ", Width $5\frac{1}{4}$ ", Depth $2\frac{1}{4}$ ". Inside bell alarm, new design stem shut-off. Beautiful $3\frac{1}{2}$ " silver finished metal dial. May be had in Black or Green finish. Packed 24 of one color to a carton.



LIBERATOR or TROJAN *160*

Large pedestal alarm clock, Nickel only. Height $6\frac{1}{2}$ ". Back bell, long alarm, stem shut-off. Heavily nickeled case. Truly a handsome alarm clock. Packed 24 in a carton. "TROJAN"—Same clock as Liberator but finished in Black only with Nickel trim. Also packed 24 in a carton.

ONE AND EIGHT-DAY ALARM CLOCKS



COMET *1.80 a*

Height 5", Diameter 4". New thin model with one-piece back and case, separate streamline sash, and convex glass. Fitted with the famous Ingraham stem shut-off now made available for this top bell clock. The clocks furnished in colors are enhanced in beauty by having a polished nickel sash. Packed 48 clocks in a shipping carton. Furnished in solid Nickel, or solid colors, or assorted colors consisting of 12 Green, 12 Blue, 12 Rose, and 12 Black.

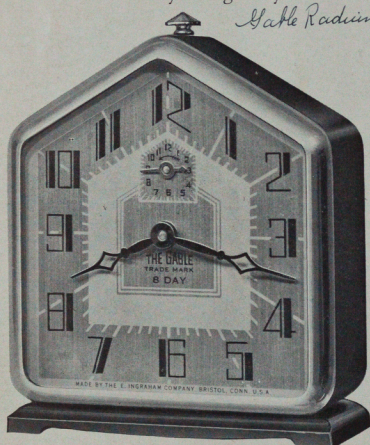


VIM *1.85-4*

Height 4 1/2", Diameter 4". New thin model with one-piece back and case, separate streamline sash, and convex glass. Fitted with inside bell and convenient stem shut-off. Attractive new feet. The sash is furnished in polished nickel on the colored clocks, adding greatly to their attractiveness. Packed 48 clocks in a shipping carton. Furnished in solid Nickel, or solid colors, or assorted colors consisting of 12 Green, 12 Blue, 12 Rose, and 12 Black.

EIGHT-DAY ALARM CLOCKS

Both time and alarm run eight days with one winding. Ingraham has for many years been the largest producer of eight-day alarm clocks in the world. The Ingraham eight-day movement is a high grade clock mechanism, an excellent timekeeper, and one giving entire satisfaction. The use of a watch escapement in these clocks makes them very quiet in operation and assures a clock that is truly an eight-day alarm without comparison.



THE GABLE *1.65*

Seamless drawn case, Black lacquer finish. Attractive die cast base, nickel plated bezel, metal dial, inside bell, stem shut-off. Height 5 1/2", Width 4 1/2". May also be had in Brown lacquer finish with copper bezel. Packed 24 in a carton, either finish.

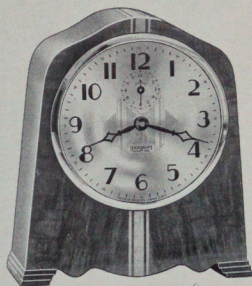


INGRAHAM AUTOMATIC *2.60*

Pedestal Alarm Clock. Height 6 1/2". Back bell, stem shut-off, beautiful raised numeral dial. Automatically sets itself to ring at the same time each day. Sliding shut-off for use when clock is not to be used as alarm. Nickel finish only. May also be had with radium dial and hands. Packed 24 in a carton.

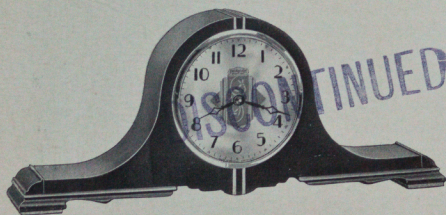
EIGHT-DAY MARINE CLOCKS

Small enough for desk, end table, bedside table, or dresser. These clocks of new modern design and made of the finest woods, are fitted with the famous Ingraham Eight-Day Marine Movement. Thus they are dependable timekeepers, quiet in operation, and easy to regulate and wind. The cases are finished in lacquer, all hand-rubbed.



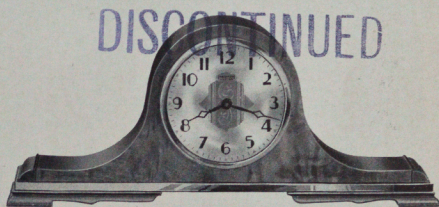
BATES ^{\$} 3.13

Eight-Day Marine Alarm. Height 7", Width 6". Concealed mellow-toned bell. Gold plated sash. $4\frac{1}{2}$ " etched silver plated dial. Selected walnut case with striped maple and walnut inlay. Ebonized feet. Hand-rubbed lacquer finish.



PITT

Eight-Day Marine Timepiece. Height $6\frac{1}{4}$ ", Length $14\frac{7}{8}$ ". Chromium plated sash. $4\frac{1}{2}$ " etched silver plated dial. Bright black ebonized case. Vertical chromium plated metal inlaid strips.



PENN

Eight-Day Marine Timepiece. Height $6\frac{1}{4}$ ", Length $14\frac{7}{8}$ ". Chromium plated sash. $4\frac{1}{2}$ " etched silver plated dial. Selected walnut case and feet. Chromium finished metal strip around base. Finest hand-rubbed lacquer finish.

UTILITY CLOCKS

Three popular clocks that have stood the test of time and are still quantity sellers. They are so well known that descriptions are hardly necessary. They are



KITCHENETTE ^{\$3.00}

Height 14", Width 13 1/4".
Solid oak. 6" Arabic dial. Packed
6 in a box.



LAKE LINE

Height 22", Width 15".
Solid embossed oak. 6" Arabic dial.
Packed 6 in a box.



CORNELL ^{\$4.40}

Height 10", Width 9 3/4".
Mahogany or Oak finish. 7" raised
numeral dial. Packed 1 in a carton.

CABINET CLOCKS



DOVER ^{\$5.75}

Height 10 1/2", Width 8 3/4". Hinged gold
plated sash. Silver plated mat. 6 1/2"
silver plated raised numeral dial. Selected
walnut case with side panels and front
beading. Carved inlay above base.
Finished in rubbed lacquer.

Two new attractive cabinet clocks
beautifully made and finished. A
style so popular in electric clocks that
it has been deemed advisable to add
two to the spring wound line. These
are unsurpassed in workmanship and
finish and fill the need for a fine
eight-day pendulum clock where
some design other than the tambour
is desired. The sashes are gold plated
and the dials and mats are silver
plated. They strike the hour and
half-hour on cathedral gongs.



CALAIS ^{\$6.25}

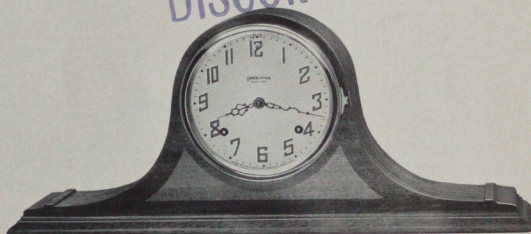
Height 11", Width 9 1/2". Gold plated hinged
sash. Silver plated mat. 5 1/2" silver plated
raised numeral dial. Body and sides of case
made from selected mahogany with the grain
matched in front. Top fitted with mahogany
hood and side rails. Handsome carved base with
satinwood brackets. Case richly finished in
rubbed lacquer.

HOLLYWOOD ASSORTMENT

The Hollywood assortment meets the demand for a 22" mahogany Tambour Clock. These three clocks are made of genuine, well grained mahogany, the entire case being produced of laminated stock, with the exception of the base, which is solid basswood. These clocks measure $9\frac{3}{4}$ " high and are fitted with a 7" raised numeral dial, silver plated, with a silver plated mat, and a bright polished brass sash. They are put up with duplex chime rods only, striking the hour on two chime rods and the half-hour on a single chime rod. They are finished in lacquer, hand and machine rubbed. The movement used is our heavy brass pendulum movement, which is well known for its long life and excellent timekeeping qualities.



HERMES



HERA



HATHOR

AURORA ASSORTMENT

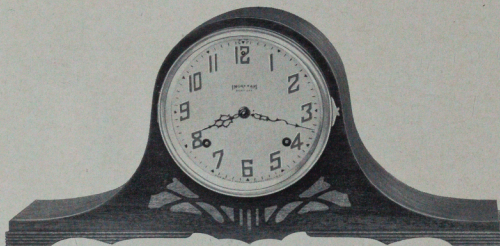
6.35

Three new eight-day pendulum duplex striking clocks in plain but attractive designs. Made of selected figured mahogany and finished in light brown hand-rubbed lacquer with a sufficiently high polish to bring out the quality of the wood to best advantage. These clocks are made the proper size for an average bookcase or mantel, being 20" long by 9 $\frac{3}{4}$ " high. They are fitted with our accurate brass pendulum movement and strike the hour on two chime rods and the half-hour on single chime rod. The sashes are gold plated, the 7" raised numeral dials and French mats are silver plated, and the beautiful pierced hands are finished in dark blue.



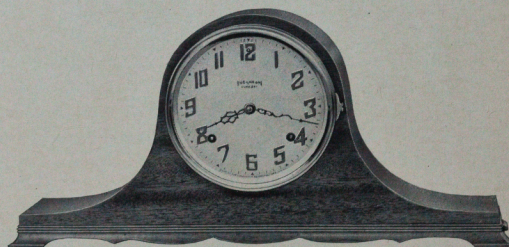
AURORA No. 1

Case made of finely grained mahogany, with fluted base and mahogany cars.



AURORA No. 2

Case made of figured mahogany with fluted base and two-toned ornament under the dial.



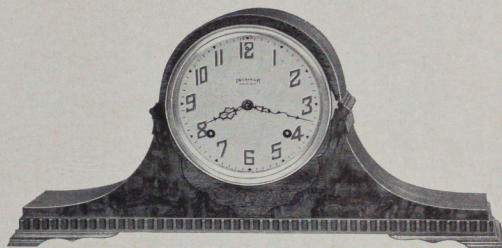
AURORA No. 3

Case made of selected, finely grained mahogany, with base of moulded and formed mahogany.

ART ASSORTMENT

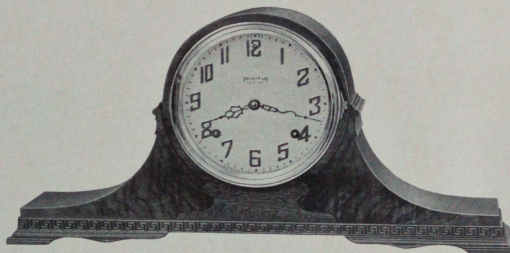
6. 75

Three newly designed tambour clocks for the most discriminating trade. The cabinet work, selection of woods, and finishing are unsurpassed in excellence. These clocks are the same size and furnished to the same specifications as the Aurora Assortment (*see previous page*) but have more elaborate and expensive cases with carved wood (*not imitation*) base or mouldings, or with genuine inlays of handsome figured woods. A description of the woods used appears under each clock.



ART No. 1

Case of selected, beautifully grained mahogany, with burl walnut inlay, mahogany base, and carved scalloped moulding.



ART No. 2

Case of selected, beautifully grained mahogany, with burl walnut inlay, mahogany base, and carved Greek moulding.



ART No. 3

Entire case of beautifully grained mahogany with heavily carved base moulding, supported by finely moulded feet.

SPRING WOUND KITCHEN AND BANJO CLOCKS EIGHT-DAY PENDULUM AND EIGHT-DAY MARINE



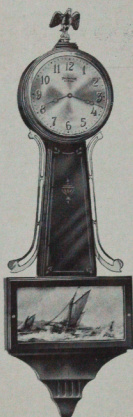
MASTER

Eight-Day marine movement. $6\frac{3}{4}$ " square. Green or Ivory with Chromium trim. Packed 6 of either color or 3 of each color to case.



MARS

Eight-Day marine movement. Diameter $7\frac{1}{2}$ ", $4\frac{1}{2}$ " dial. Metal case and back. Finished in lacquer. Available in Ivory or Green. Packed 12 of one color to a case.



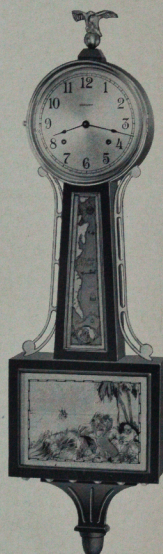
NATAL 5.55

Eight-Day marine movement. Height 27", Width $8\frac{1}{2}$ ". Polished brass sash. $5\frac{1}{2}$ " silver plated raised numeral dial. Throat finished in striped mahogany with attractive stencil design.



YANKEE CLIPPER 9.25

Eight-Day pendulum movement. Furnished in duplex 2-rod strike only. Height 31". 7" raised numeral dial. Hand-rubbed mahogany finish with solid brass side rails.



TREASURE 10.00

Eight-Day pendulum movement. Furnished in duplex 2-rod strike only. Height 39". 8" etched brass silver plated dial. Made of solid mahogany, hand-rubbed, with solid brass side rails.

SCHOOL ✓ OFFICE ✓ STORE CLOCKS

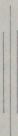
ACCURATE EIGHT-DAY BRASS PENDULUM MOVEMENT

DISCONTINUED

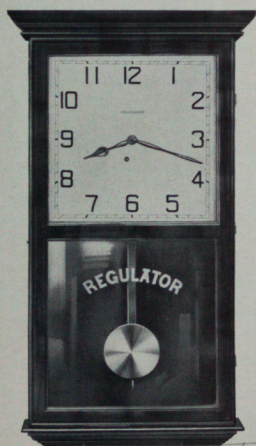


BEDFORD
Oak finish. Height 25". Mitered octagon wood sash.

Time Only



BRISTOL 6.60
Oak or Mahogany finish. Gilded French brass sash. 12" dial, heavy hands.



BISON *Western Union*
Oak or Mahogany finish. Height 38", Width 16", 12" square dial.

790

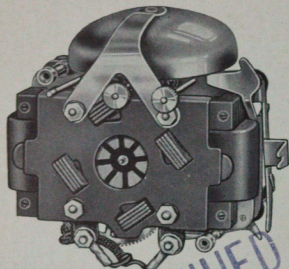
DISCONTINUED



WESTERN UNION
Oak finish. Height 36", Width 16½", 12" round dial. Gilded lower glass.

SELF-STARTING SYNCHRONOUS MOTOR ALARM CLOCKS

Fitted with
ONE-TWO-THREE SINGLE-TONE CHIME ALARM
The Greatest Single Advance Ever Made in an Alarm Clock



This superior alarm instrument has the same basic self-starting timepiece unit that is described on Page 17. In addition it is fitted with an alarming mechanism that has no alarm spring, no contact points to give trouble, and no alarm that impairs the electrical timing field. Furthermore, it wakes the sleeper pleasantly, without shock, and without waking the entire household. It strikes once, then twice, and then three times, and repeats, and this progressive mixture of striking will interrupt the soundest sleep. Unquestionably this is the finest and pleasantest alarm to use that has yet been developed.



MODEL SA 2

5 $\frac{3}{4}$ " high by 5 $\frac{1}{4}$ " wide. Solid walnut top and base with burl walnut sides and front. Silk lined radio tone-grilles in sides. Handsome Greek fret border of selected light and dark inlaid woods. Finest rubbed lacquer finish. Gold plated sash and gold plated shut-off ball. Two-tone silver plated dial.



MODEL SA 1 3.90

6 $\frac{1}{4}$ " high by 5 $\frac{1}{2}$ " wide. Genuine mahogany and figured walnut case. Silk lined radio tone-grilles in sides. Attractive pilasters in the four corners. Beautiful hand-rubbed finish. Gold plated sash and gold plated shut-off ball. Two-tone silver plated dial.



MODEL SA 219 3.60

5 $\frac{3}{4}$ " high by 5 $\frac{3}{4}$ " wide. Genuine solid mahogany case with three solid mahogany panels on each side and a solid mahogany ribbed base. Mahogany moulding inlaid across the face of clock. Hand-rubbed lacquer finish. Gold plated sash and etched silver plated dial. Alarm shut-off button on back of clock.



MODEL SA 3

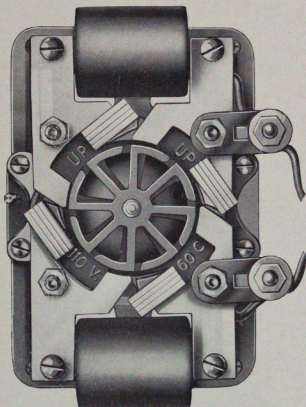
5 $\frac{1}{2}$ " high by 13" long. Mahogany and walnut case with rich burl walnut front and graceful moulded walnut feet. Beautiful rubbed lacquer finish. Gold plated sash and two-tone silver plated dial.

Furnished in 50 and 60 cycle 100-125 volt A. C. current only.
Listed under Underwriters' Laboratories Reexamination Service.

Page Sixteen

SELF-STARTING SYNCHRONOUS MOTOR TIME CLOCKS

This motor is the development of a long period of research and experimentation by experts in watch, clock, and electrical engineering and is unsurpassed by any clock motor produced to-day. Silent operation, long life, power, and continuous lubrication are insured by the design, which incorporates two independent coils, four shaded poles, a light high-speed balanced rotor, and a reduction train running in a bath of oil in a non-leakable, die cast housing. All the parts are built with the materials, design, and precision of a fine watch. Unquestionably this motor represents



the acme of perfection in the present art of electric clock manufacture and assures the distributor and consumer of real satisfaction. While such a finely constructed motor cannot be offered in the cheap merchandise range, our enormous production makes Ingraham clocks with this eminently superior motor available at reasonable prices. This instrument is likewise covered by numerous patent applications and is fully guaranteed by the maker against defects in material or in workmanship. The motor consumes an almost negligible amount of electricity.



SC140

Genuine mahogany case, face overlaid with madrone veneer, surrounded by inlaid mahogany. Height $8\frac{1}{2}$ ", Width $7\frac{3}{4}$ ", Dial $4\frac{1}{4}$ ".



SK131

Enamelled wood case. For kitchen. Diameter $6\frac{1}{4}$ ", Dial $4\frac{1}{4}$ ". Colors, Green or Ivory. 6 of a color to a shipping carton.



SC143

Two-tone maple case, front veneered with figured mahogany and birds-eye maple. Height $9\frac{1}{4}$ ", Width $7\frac{1}{2}$ ", Dial $4\frac{1}{4}$ ".

Furnished in 50 and 60 cycle 100-125 volt A. C. current only.
Listed under Underwriters' Laboratories Reexamination Service.

SELF-STARTING SYNCHRONOUS TIME CLOCKS



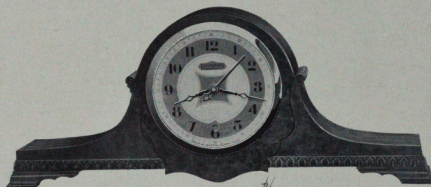
SD243

Genuine mahogany case for desk or boudoir. Front overlaid with lacewood in a modern pyramid design. Height $6\frac{3}{4}$ ", Width $7\frac{1}{4}$ ", Dial $4\frac{1}{4}$ ". Packed 6 to a shipping carton.



SC203

Genuine walnut case of distinctive design. Face of handsome Maidou veneer overlay on a background of figured walnut veneer. Height 11", Width 8", Dial $4\frac{1}{2}$ ".



ST184

Genuine walnut case with overlay design of Maidou veneer on a background of highly figured walnut veneer. Height $5\frac{1}{2}$ ", Width $13\frac{1}{4}$ ", Dial 4".



SH158

Hanging clock of genuine mahogany. Diameter 12", Dial $10\frac{1}{2}$ ".



SH153

Hanging clock of genuine mahogany. $14\frac{3}{4}$ " square, Dial $12\frac{1}{2}$ " square.

Furnished in 50 and 60 cycle 100-125 volt A. C. current only.
Listed under Underwriters' Laboratories Reexamination Service.

SELF-STARTING SYNCHRONOUS MOTOR STRIKE CLOCKS

The Ingraham Self-Starting Synchronous Motor Striking Unit is a development of years of experimentation. The motor used is the well known and very satisfactory Self-Starting Unit illustrated on Page 17, while the Striking Unit is a clever camming mechanism with all count-hook and rack and snail striking parts eliminated. No additional motor is required to operate the strike, resulting in simplification and economy of operation. Furthermore, the hands may be turned backward without injuring the strike and the clock will always adjust itself automatically to strike the exact hour at which the hour hand points. In addition, the tone of the strike may be adjusted in volume and clarity by turning the screw marked "Strike Adjustment," which is located at the back of the clock. A beautifully toned bell for striking the hour and the half-hour is made part of the unit, assuring accurate adjustment.



SSC1

Bonnet-Hood design. Height $9\frac{1}{2}$ ", Width $7\frac{1}{4}$ ". Gold plated sash, $4\frac{1}{2}$ " etched silver plated dial. Genuine walnut case with butt walnut inlay and carved border around the base. Finest hand-rubbed lacquer finish.



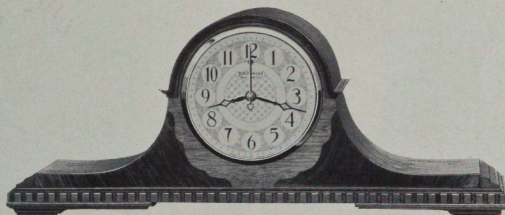
SSC2

Church nave design. Height $10\frac{1}{2}$ ", Width $7\frac{1}{2}$ ". Gold plated sash, $4\frac{1}{2}$ " etched silver plated dial. Case, naves, and four columns with their caps and bases are made of selected walnut. Overlaid with walnut finished in a slightly different shade of two-toning to secure the best artistic effect. Entire case finished in lacquer and hand-rubbed.



SSC3

Height $9\frac{1}{4}$ ", Width 7". Gold plated sash, $4\frac{1}{2}$ " etched silver plated dial. Attractive silk lined radio grille in front of case. Made of selected walnut matched through the center and front of case and inlaid with butt walnut. Curved side panels of solid walnut. Beautifully finished in hand-rubbed lacquer.



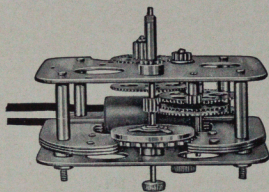
SST4

Length $16\frac{1}{4}$ ", Height $6\frac{3}{4}$ ". Gold plated sash, $4\frac{1}{2}$ " etched silver plated dial. Mahogany veneered case with mahogany hood and side rails. Front of case inlaid with Indian rosewood veneer, which finishes a rich bay color. Carved mahogany moulding around case supported by four formed solid mahogany feet. Finished in hand-rubbed lacquer.

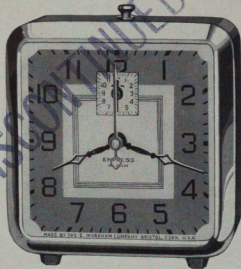
Furnished in 50 and 60 cycle 100-125 volt A. C. current only. Listed under Underwriters' Laboratories Reexamination Service.

MANUAL-STARTING SYNCHRONOUS TIME AND ALARM CLOCKS

The Ingraham Manual-Starting Synchronous Motor illustrated here and used in all our manual-starting timepiece and alarm clocks, is built on long established clock and watch principles; with steel cut or drawn brass pinions and subdied wheels; with the pitch and mesh of the teeth scientifically laid out for the speed

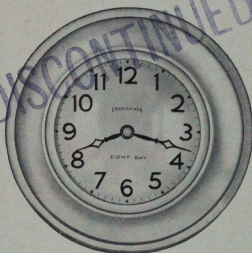


of electric operation. This motor uses a patented anti-hunting device, assuring easy starting and continuance of operation through ordinary current fluctuations. It is quiet in operation and vastly superior to the many cheap synchronous motors that have been put on the market. It is scientifically designed to operate with a minimum of power consumption.



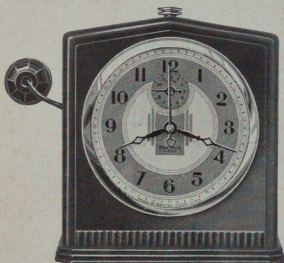
MA3

Electric Alarm Clock. Height $4\frac{1}{2}$ ", Width $4\frac{1}{4}$ ", $3\frac{1}{2}$ " square dial. Clear tone bell alarm. Top stem shut-off. Drawn brass case with paper dial laid on brass back. Finished Brown only, with copper bezel. Packed 48 to a case.



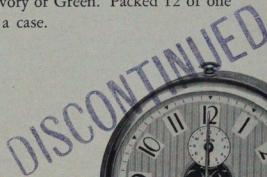
MK1

Timepiece Kitchen Clock. Diameter $7\frac{1}{4}$ ", Depth $2\frac{1}{2}$ ", Dial $4\frac{1}{2}$ ". Case and back of drawn brass finished in lacquer. Available in Ivory or Green. Packed 12 of one color to a case.



MA1 1.35

Electric Alarm Clock. Height $6\frac{1}{4}$ ", Width $5\frac{1}{4}$ ". Clear tone alarm bell. Top stem shut-off. Heavy die cast case. $3\frac{1}{2}$ " etched metal dial. Finished in Black with chromium bezel. Packed 24 to a case.



MA4

Wood Cased Electric Alarm. Height $5\frac{1}{4}$ ", Width $6\frac{1}{4}$ ", Dial $4\frac{1}{2}$ ". Chromium plated sash. Handsome etched silver plated dial. Case made of mahogany with rich hand-rubbed lacquer finish. Base finished in black ebony. Packed 12 to case.

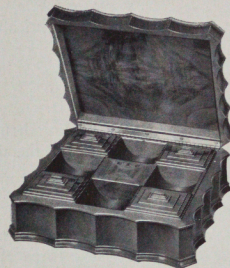
Furnished in 50 and 60 cycle 100-125 volt A. C. current only.
Listed under Underwriters' Laboratories Reexamination Service.

PICTURED BELOW ARE A FEW SPECIALTIES, ALL OF WHICH WERE DESIGNED AND PRODUCED BY INGRAHAM FOR SPECIAL TRADES



R 273

A handsome solid walnut Humidor with fluted sides and fluted stepped-up cover.



A mahogany Cigarette Case lined with red cedar and with ebonized flutings around case.



R 277

Radio Cabinet made of butt walnut veneer throughout. This was the first Midget Cabinet sold in volume and was designed, patented, and produced by INGRAHAM.



R 272

A handsome burl walnut cabinet with solid carved walnut doors, walnut hinge pillars, carved rope fret around the base, and carved Greek border on the top. This cabinet is finished in hand-rubbed lacquer.

WHAT WE PRODUCE

We manufacture a complete line of non-jewelled watches, both pocket and wrist, 30-Hour Alarm Clocks, 8-Day Alarm Clocks, and 8-Day Mantel and Office Clocks with both marine and pendulum movements. We also manufacture a complete line of Manual and Self-Starting Synchronous Motor Electric Clocks with timepiece, alarm, and striking movements and cased for all possible usages. We are also large producers of radio cabinets and wood-working specialties, and in our wood-working as well as in our clock and watch line, we fabricate, from raw materials, all the parts that go into the finished product.

A HERITAGE

The E. Ingraham Co. is proud of its heritage of more than a century of experience in the production of non-jewelled timepieces. Four generations have been engaged in the process of developing timepiece craftsmanship, and to-day the Company covers the entire field with a very complete line of merchandise. The Company is also proud in its belief that its clocks and watches have long been recognized for their sturdiness, accuracy, and unequalled values. A large force of skilled and experienced Americans are engaged in its plant under ideal manufacturing conditions with the finest facilities and equipment and with a minimum of labor turnover. The entire organization has been maintained intact and with practically no wage reductions and under very satisfactory operating hours during the recent three year depression.

ASSURED PROTECTION

Ingraham Clocks and Watches are backed by a clear and unequivocal guarantee which is packed with each individual unit. Our timepieces are also produced under one or more of the following Design and Mechanical Patents:

UNITED STATES DESIGN PATENTS

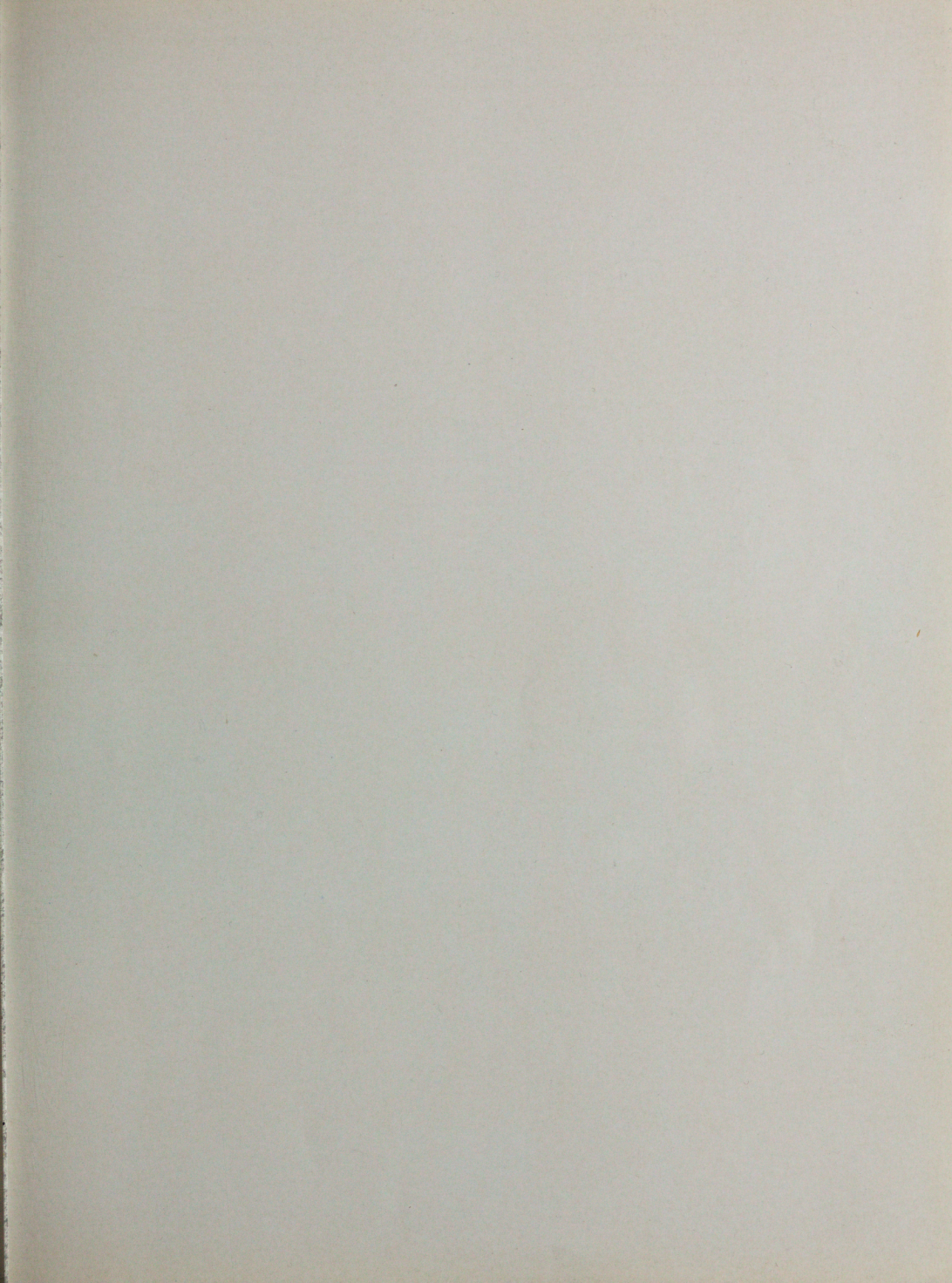
No. D81,161	No. D85,239	No. D87,561
" D83,318	" D85,357	" D89,168
" D84,623	" D85,358	" D91,054

UNITED STATES MECHANICAL PATENTS

No. 1,279,617	No. 1,802,333	No. 1,880,790	No. 1,950,898
" 1,288,309	" 1,802,334	" 1,881,613	" 1,952,498
" 1,289,323	" 1,817,447	" 1,883,162	" 1,960,508
" 1,308,690	" 1,818,690	" 1,903,003	" 1,960,521
" 1,424,213	" 1,832,359	" 1,905,682	" 1,283,431
" 1,424,214	" 1,835,505	" 1,905,655	" 1,283,434
" 1,695,087	" 1,836,956	" 1,910,149	" 1,283,435
" 1,719,805	" 1,836,957	" 1,910,983	" 1,334,429
" 1,744,524	" 1,845,877	" 1,913,217	" 1,495,827
" 1,772,798	" 1,856,389	" 1,925,671	" 1,502,494
" 1,785,231	" 1,858,262	" 1,931,291	" 1,522,217
" 1,785,267	" 1,860,353	" 1,939,762	" 1,564,603
" 1,796,649	" 1,867,315	" 1,939,763	RE. No. 17,779

Numerous Design and Mechanical Patents Pending

THE E. INGRAHAM COMPANY





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